

SEQUENCE LISTING

<110> Qian, Su
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 Trumbauer, Myrna
 Metzger, Joseph M.

<120> Agouti-related protein deficient cells,
 non-human transgenic animals and methods of selecting
 compounds which regulate energy metabolism

<130> 21033YP

<150> PCT/US03/20245

<151> 2003-06-27

<150> 60/393,391

<151> 2002-07-03

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 923

<212> DNA

<213> Mus musculus

<400> 1

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Arg Pro Asp Gln Ala Leu Phe Pro Glu Phe Pro Gly Leu Ser Leu Asn
          35           40           45
Gly Leu Lys Lys Thr Thr Ala Asp Arg Ala Glu Glu Val Leu Leu Gln
          50           55           60
Lys Ala Glu Ala Leu Ala Glu Val Leu Asp Pro Gln Asn Arg Glu Ser
65           70           75           80
Arg Ser Pro Arg Arg Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln
          85           90           95
Gln Val Pro Cys Cys Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe Phe
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<210> 3
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 <213> Homo sapien

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gaagaggatc tggtgcagga ggctcaggcc ttggcagagg tactagacct gcaggaccgc 240
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Arg Pro Asp Gln Ala Leu Leu Pro Glu Leu Pro Gly Leu Gly Leu Arg
          35           40           45
Ala Pro Leu Lys Lys Thr Thr Ala Glu Gln Ala Glu Glu Asp Leu Leu
          50           55           60
Gln Glu Ala Gln Ala Leu Ala Glu Val Leu Asp Leu Gln Asp Arg Glu
65           70           75           80
Pro Arg Ser Ser Arg Arg Cys Val Arg Leu His Glu Ser Cys Leu Gly
          85           90           95
Gln Gln Val Pro Cys Cys Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe
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 35 40 45
 Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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 Trp

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 ccagcggagg acatggccag atactactcg gcgctgcgac actacatcaa cctcatcacc 180
 aggcagagat atggaaaacg atccagccca gagacactga tttcagacct cttgatgaga 240
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 Ser Leu Leu Val Cys Leu Gly Ala Leu Ala Glu Ala Tyr Pro Ser Lys
 20 25 30
 Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr
 35 40 45
 Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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 Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg
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 Trp

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<220>
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 agagttccca ggtctaagtc tgaatggcct caagaagaca actgcagacc gagcagaaga 180
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<210> 14

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<223> Primer

<400> 14

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